BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2015-16/OW/WORK_INDENT21225

APPROVED SCHEDULE - B

K.S.EE/BTP/BBMP/E-PMT/04/2015-16, Date: 01.02.2016

Improvements to roads, drains and Drilling borewells in ward no. 09, 10 & 11 of Vidyaranyapura sub division of Byatarayanapura Division

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of K B ALANKAR	
				In Figures	In Words
1	20.66	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. Ii) dismantling brick / tile work, A, in lime mortar, etc complete as per specifications and directions of engineer in charge of the work	Cum	244.75	Rupees Two Hundred Forty Four and Seventy Five Paise Only
2	95.56	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. Ii) dismantling brick / tile work, B cement concrete grade M-15 & M-20, etc complete as per specifications and directions of engineer in charge of the work	Cum	373.45	Rupees Three Hundred Seventy Three and Forty Five Paise Only
3	3887.4	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum	81.23	Rupees Eighty One and Twenty Three Paise Only
4	4039.2	Removing B.S Slab of Drain and stacking etc complete as per specifications and directions of engineer in charge of the work	Sqm	62.24	Rupees Sixty Two and Twenty Four Paise Only
5	4039.2	Refixing stone slabs of drains and pointing in C.M (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm	77.01	Rupees Seventy Seven and One Paise Only
6	388.58	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	4952.96	Rupees Four Thousand Nine Hundred Fifty Two and Ninety Six Paise Only
7	144.86	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	4039.38	Rupees Four Thousand Thirty Nine and Thirty Eight Paise Only
8	113.4	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing	Sqm	93.89	Rupees Ninety Three and Eighty Nine Paise Only
9	170.27	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240 kgs with 40mm and down size graded granite metal coarse aggregares @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5363.34	Rupees Five Thousand Three Hundred Sixty Three and Thirty Four Paise Only

Alankar KB
Signature of the contractor

15/03
Executive Engineer

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	Approved Qty.	Description	Unit	Approved Tender Rates of K B ALANKAR	
				In Figures	In Words
10	454.6	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	994.81	Rupees Nine Hundred Ninety Four and Eighty One Paise Only
11	409.89	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work	Cum	6054.32	Rupees Six Thousand Fifty Four and Thirty Two Paise Only
12	246.2	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams etc complete as per specifications and directions of engineer in charge of the work	Cum	6185.14	Rupees Six Thousand One Hundred Eighty Five and Fourteen Paise Only
13	2160.7	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc complete as per specifications and directions of engineer in charge of the work	Sqm	94.94	Rupees Ninety Four and Ninety Four Paise Only
14	215.4	Providing groove cutting for cement pavement wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing etc complete as per specifications and directions of engineer in charge of the work	Rmt	121.32	Rupees One Hundred Twenty One and Thirty Two Paise Only
15	32.4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 10 cms thick etc complete as per specifications and directions of engineer in charge of the work	Sqm	776.44	Rupees Seven Hundred Seventy Six and Forty Four Paise Only
16	216	Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) etc complete as per specifications and directions of engineer in charge of the work	m	34.81	Rupees Thirty Four and Eighty One Paise Only
17	32.4	Providing two line dressing to granite stone slab / granite stone masonry etc complete as per specifications and directions of engineer in charge of the work	Sqm	903.03	Rupees Nine Hundred Three and Three Paise Only
18	28.27	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bars FE 500 etc complete as per specifications and directions of engineer in charge of the work	Tonne	68186.31	Rupees Sixty Eight Thousand One Hundred Eighty Six and Thirty One Paise Only
19	1662.29	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm	299.6	Rupees Two Hundred Ninety Nine and Sixty Paise Only

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				In Figures	In Words
20	1074.69	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm	321.76	Rupees Three Hundred Twenty One and Seventy Six Paise Only
21	80	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	221.54	Rupees Two Hundred Twenty One and Fifty Four Paise Only
22	3978	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc complete as per specifications and directions of engineer in charge of the work	Nos	313.32	Rupees Three Hundred Thirteen and Thirty Two Paise Only
23	626.5	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughtly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm	26.37	Rupees Twenty Six and Thirty Seven Paise Only
24	626.5	Providing and applying floor painting with ready mix two coats (Excluding priming coat) on new s concrete / masonry / asbestos cement sheet / / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work	Sqm	50.64	Rupees Fifty and Sixty Four Paise Only
25	746.25	Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) etc complete as per specifications and directions of engineer in charge of the work	Cum	303.82	Rupees Three Hundred Three and Eighty Two Paise Only
26	4758.1	Scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges etc complete as per specifications and directions of engineer in charge of the work	Sqm	25.32	Rupees Twenty Five and Thirty Two Paise Only
27	1830.82	Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum	1674.2	Rupees One Thousand Six Hundred Seventy Four and Twenty Paise Only
28	11334.1	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means etc complete as per specifications and directions of engineer in charge of the work	Sqm	31.65	Rupees Thirty One and Sixty Five Paise Only
29	176.98	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead lift and cost including lead, lift and cost of all materials, labour HOM of machineries complete as per specifications using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen, etc complete as per specifications and directions of engineer in charge of the work	Cum	6050.1	Rupees Six Thousand Fifty and Ten Paise Only

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				In Figures	In Words
30	3539.5	Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	Sqm	14.77	Rupees Fourteen and Seventy Seven Paise Only
31	314.56	Providing and laying bituminous concrete 40mm thick with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH Specificationon NO. 509, using 40/60 TPH capacity with Mechanical Paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen etc complete as per specifications and directions of engineer in charge of the work	Cum	9594.72	Rupees Nine Thousand Five Hundred Ninety Four and Seventy Two Paise Only
32	86.75	Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects with 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (25 mm to 30 mm) with 5 % VG-10 Bitumen etc complete as per specifications and directions of engineer in charge of the work	Cum	7943.73	Rupees Seven Thousand Nine Hundred Forty Three and Seventy Three Paise Only
33	253.5	Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5m, machine mixed, laid in layers of 15cms, thick and well compacted for foundation, including curing cost of materials labour and HOM etc complete as per specifications and directions of engineer in charge of the work	Cum	303.82	Rupees Three Hundred Three and Eighty Two Paise Only
34	2535	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	912.53	Rupees Nine Hundred Twelve and Fifty Three Paise Only
35	5	1031 - Providing J.C.B Excavator on Hire basis including Operator and Fuel etc complete as per specifications and directions of engineer in charge of the work	Day	6564.1	Rupees Six Thousand Five Hundred Sixty Four and Ten Paise Only
36	10	1023 - Hire Charges of Tipper including Operator and Fuel etc complete as per specifications and directions of engineer in charge of the work	Day	1969.23	Rupees One Thousand Nine Hundred Sixty Nine and Twenty Three Paise Only
37	3831.41	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 11.90 Km etc complete as per specifications and directions of engineer in charge of the work	Cum	103.87	Rupees One Hundred Three and Eighty Seven Paise Only
38	135	Supplying High pressure sodium vapour street light fitting die cast aluminium canopy with aluminium housing for control gear, finished stove enamel gray glassy white canopy interior with a pair of anodized aluminium reflectors with toughened flat glass, gasket lining for drip insect resistance duly wired with porcelain holder copper choke, igniter and HPF condenser including a sodium vapour lamp .II 250 Watts a) Group 'A'	Each	6007.32	Rupees Six Thousand Seven and Thirty Two Paise Only
39	135	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. b) Using 32mm dia G.I pipe	Each	669.11	Rupees Six Hundred Sixty Nine and Eleven Paise Only
40	45	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable d) 4 core 16sqmm	Mtr	146.52	Rupees One Hundred Forty Six and Fifty Two Paise Only

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				In Figures	In Words
41	405	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required .II. On wall /Structure a) 6 sqmm to 16sqmm	Mtr	17.58	Rupees Seventeen and Fifty Eight Paise Only
42	50	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes f) 16 sqmm	Each	13.68	Rupees Thirteen and Sixty Eight Paise Only
43	10	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE a) 100 Amps 25 kA, 2) Group 'B'	Each	3379.73	Rupees Three Thousand Three Hundred Seventy Nine and Seventy Three Paise Only
44	10	Supply and Installation/Fixing/Provision for mounting of HRC Fuse /MCB with suitable connector/teminal for 3 Ph/1 Ph connections with Loop-in & Loop-Out terminals for 10 Sqmm/25 sqmm 3.5 C Al/AR/Cu/AR Cable and branchout 2.5 Sqmm 2 Core Al/Cu PVC insulated cable, enclosure, which should be shock proof, safe IP 65 (Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP 65 Thermoplastic, Polyamide glands and /or grommets a) 200x200x98mm	Each	903.54	Rupees Nine Hundred Three and Fifty Four Paise Only
45	250	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Aluminium conductor single core cable in open or consealed system of wiring. I Group A Materials. e) 10 sqmm	Mtr	22.47	Rupees Twenty Two and Forty Seven Paise Only
46	155	Supply and fixing of backlite D.P/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches Using Group 'A' Material. a) 32Amps Flush/project type DP switch	Each	141.64	Rupees One Hundred Forty One and Sixty Four Paise Only
47	30	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete b) 12"x9"x3" (300x228x76mm)	Each	78.14	Rupees Seventy Eight and Fourteen Paise Only

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Byarayanapura Division
BBMP, Bangalore - 92

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